

## METHOD FOR RELAYING MESSAGE BETWEEN NETWORKS

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## Abstract of JP8172446

**PURPOSE:** To enable an appropriate processing node to surely receive and process a message when the node is present in the same sub-network.

**CONSTITUTION:** Nodes 111 and 112 for a processing and the node 310 for relay are connected to the sub-network 10, the node 320 for the relay and the nodes 211-214 for the processing are connected to the sub-network 20 similarly and they are respectively logically circularly connected. Also, the nodes 310 and 320 for the relay are connected to the sub-network 30 for the relay. A cyclic counter area is provided in the message in addition to a destination address, an origin address and data. A message emission node adds one to the cyclic counter area in the message every time the message is circulated once in the present sub-network. The node for the relay relays and transfers the message only when the value of the cyclic counter area of the inputted message exceeds a prescribed value.

